

ENGINEERING

Regional Supervisor, Branch of Refuges

May 5, 1960

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Regional Engineer

Lake Andes National Wildlife Refuge, South Dakota - 1960
Annual Water Program

We have reviewed the subject program and are returning correspondence furnished to us. Since runoff from snow melt has raised the water level in Units two and three, the surplus may be used to raise water levels in Unit 1.

EJA
The water right filings show that the area above Dam No. 1 (Pool No. 3) is 611 acres and has a capacity of 2683 acre-feet at elevation 101. Pool No. 1 has an area of 1660 acres and capacity of 11,038 acre-feet at elevation 97.

John
Area capacity rating tables dated 6-15-45 are the best that we have for the south (No. 1) Unit and the north (No. 3) Unit. These tables should be used in determining area and capacities of the two impoundments. We do not have complete area-capacity data for the middle (No. 2) Unit. However, calculations show that this unit has an area of about 2240 acres and a capacity of about 20,160 acre-feet at pool elevation 100.

*see letter
5/17/1960*

John D. Umberger

cc: Branch of Refuges
ELDoeling/rlm

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